Please type a plus sign (+) inside this box

→	+
-	

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. CMB 0531-0031
U.S. Parient and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Ruduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid CMB control number.

Substitute fo	r form 1449A/F	סדי		Complete if Known		
				Application Number	10/781,278	
INFOR	MATION	DISCL	OSURE	Filing Date	02/18/2004	
STATE	STATEMENT BY APPLICANT			First Named Inventor	S.V. Sreenivasan	
				Group Art Unit	1756	
(use as many sheets as necessary)				Examiner Name	Christopher G. Young	
Sheet	1	of	3	Attorney Docket Number	PA95-37D13	

-		U.S. Patent Dox	- umaal	U.S. PATENT DOCUMEN		Pages, Coherres, Lines,
Examiner Initials*	Cite No.	Cite No. Number (Fixoner)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Possegue or Relevant Possegue Appear
Ei	A1	2004/0168588	A1	Choi et al.	9/2/2004	
$\neg 1$	A2	2004/0149687	A1	Choi et al.	8/5/2004	
	AS	2003/0215577	A1	Willson et al.	11/20/2003	
T	A4	2004/0007799	A1	Choi et al.	1/15/2004	
	A5	2004/0021254	A1	Sreenivasan et al.	2/5/2004	
	A6	2004/0021866	A1	Watts et øl.	1/5/2004	
	A7	2004/0141163	A1	Bailey et al.	7/22/2004	
	A8	2004/0251775	A1	Choi et at.	12/16/2004	
	AD	2004/0022888	A1	Sreenivasan et al.	2/5/2004	
	A10	2004/0053146	A1	Sreenivasan et al.	3/18/2004	
\neg	A11	2004/0086793	A1	Sreenivasan et al.	5/8/2004	
	A12	2004/0104641	A1	Choi et al.	6/3/2004	
	A13	2004/0168586	A1	Bailey et al.	9/2/2004	
	A14	2004/0169441	A1	Choi et al.	9/2/2004	
	A16	2004/0170771	A1	Bailey et al.	9/2/2004	· · · · · · · · · · · · · · · · · · ·
	A16	2004/0189994	A1	Sreenivasan et al.	9/30/2004	
	. A17	2004/0189996	At	Sreenivasan et al.	9/30/2004	
	A15	2004/0200411	A1	Willson et al.	10/14/2004	
	A19	2004/0209177	A1	Sreenivasan et al.	10/21/2004	
	A20	6,719,915	B2	Willson et al	4/13/2004	
	A21	6,842,229	B2	Sreenivasan et al	1/11/2005	
	A22	2004/0089979	A1	Rubin	5/13/2004	
	A23	2004/0090611	A1	Choi et al.	5/13/2004	
	A24	2004/0112861	A1	Choi et al.	6/17/2004	
	A25	2004/0223131	A1	Chol et al.	11/11/2004	
4	A26	4,256,829		Daniel	3/17/1981	

					
Examiner			Oate		. //
_	9 - ()			I / //	'///
Signature	1 mil		Considered		106

*EXAMINER: traital if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the bwo-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must proceed the suited number of the patent document. *Idnd of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is entirested to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be seen to the Chief Information Officer, U.S. Patent and Trademark Office, Westington, DC 20231. DO NOT SEND FRES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231 Under the Properties Reduction Act of 1995, no persons are required to respond to a confection of information unless it displays a valid OMB control number.

Please type a plus sign (+) incide this box

→	+	l

PTC/SB/08A (08-00)

Approved for use through 10/51/2002. OMB 0651-0031
U.S. Palant and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute fo	r form 1449A/F	ото		Complete if Known		
				Application Number	10/781,278	
INFOR	MATION	DISCL	OSURE	Filing Date	02/18/2004	
STATE	EMENT E	BY APPL	LICANT	First Named Inventor	S.V. Sreenivasan	
				Group Art Unit	1758	
(use as many sheets as necessary)				Examiner Name	Christopher G. Young	
Sheet	2	of	3	Attorney Docket Number	PA95-37D13	

				U.S. PATENT DOCUMEN	TS	
Examiner Iniliais*	Cite No.1	U.S. Patent Do	Kind Code ² (# known)	Name of Patertae or Applicant of Cited Department	Oate of Publication of Cited Document MH-DD-YYYY	Peges, Calumre, Lines, Where Relevant Passages or Ralavant Figures Appear
EC	A27	2003/0092261	A1	Kondo et al.	5/15/2003	
	A28	2003/0179354	A1	Araki et al.	9/25/2003	
	A29	5,737,084		Incue et al.	4/7/1998	
₩	A30	2002/0150398	A1	Choi et al.	10/17/2002	
_	-					
	İ		 			
	ļ			· .		
_			<u> </u>		-	
						-
·						
	 					
						•
	 					
				-		
						•
xaminer Ignature		Em	<u> </u>		Date Considered	6/4/06

*EXAMINER: tritical il reference considered, whether or not citation is in conformance with MPEP 609. Draw sine through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

*Unique citation designation number. *See ortoched Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Aind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark have if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any entermants on the amount of time you are required to complete this form should be sent to the Chief information Office, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLISTED FORMS TO TRIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231 Under the Paperwork Reduction Act of 1998, no persons are required to respond to a collection of information unless it displays a valid CMB control number.

Signature

Please type a plus sign (+) incide this box

	_
-	+ 1
- 1	

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Petent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under	the Paperwark Reducti	on Act of 1993,	no persons are require	U.S. Perent and Tradema: ad to respond to a collection of information	ark Office; U.S. DEPARTMENT OF COMMERCE on unless it displays a valid OMB control number
	ute for form 1449B/			<u> </u>	lete if Known
1				Application Number	10/781,278
INFO	DRMATION	1 DISCI	LOSURE	Filing Date	02/18/2004
STA	TEMENT F		First Named Inventor	S.V. Sreenivasan	
i	•			Group Art Unit	1756
	(use as many she	≠ets as nece	issary)	Examiner Name	Christopher G. Young
Sheet	. 3	of	3	Attorney Docket Number	PA95-37D13

		NON PATENT LITERATURE DOCUMENTS							
Scaminer nitials*	Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the No. Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number publisher, city and/or country where publisher.								
Ec	A31	U.S. App. No. 10/614716, filed 7/7/2003, entitled: Conforming Template for Patterning Liquids Disposed on Substrates, naming inventors Sreenivasan et al.							
	A32	U.S. App. No. 10/785248, filed 2/24/2004, entitled: Method to Control the Relative Position Between a Body and a Substrate, naming inventors Sreenivasan et al.							
	A33	U.S. App. No. 10/864214, filed 6/9/2004, entitled: Imprint Lithography System to Produce a Light to Impinge upon and Polymerize a Liquid in Superimposition with Template Overlay Marks, naming inventors Sreenivasan et al.							
	A34	U.S. App. No. 10/923529, filed 8/20/2004, entitled: Apparatus for Imprint Lithography Using an Electric Field, naming inventors Sreenivasan et al.							
	A35	U.S. App. No. 10/978285, filed 10/29/2004, entitled: Step and Flash Imprint Lithography, naming inventors Willson et al.							
₹ A36		U.S. App. No. 10/951014, filed 9/27/2004, entitled: Method of Compensating for a Volumetric Shrinkage of a Material Disposed upon a Substrate to form a Substantially Planar Structure Therefrom, naming inventors Sreenivasan et al.							
	S	·							
aminer	<u> </u>		_						

*EXAMINER: Initial X reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Considered

*Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Commissioner for Potents, Alexandria, VA 22313.

PTO/SB/08A (08-03)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO				Comple	Complete if Known		
INE	ORMATIO	N DISCLA	ACLIDE.	APPLICATION NUMBER	10/781,278		
	TEMENT			FILING DATE	02/18/2004		
312	(I EINIEIN I	DI APPL	.ICAN I	FIRST NAMED INVENTOR	Sreenivasan et al.		
(u	se as many shed	ets as necessa	(Y)	Group Art Unit	1756		
Sheet 1 of 8		Examiner Name	Young, Christopher G.				
			Attorney Docket Number	PA95-37D13			

Examiner	Cite	U.S. Patent Document		Alama of Butantas on Amelianat	Date of Publication of	Pages, Columns, Lines,
Examiner Initials*	No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
EC	B1	2002/0098426	A1	Sreeniyasan et al.	7/25/2002	
<u>س</u> ا	B2	4,731,155	+	Napoli et al.	3/15/1988	
_	В3	5,425,848	+	Haisma et al.	6/20/1995	
	B4	5,772,905	+	Chou	6/30/1998	
	B5	6,309,580	B1	Chou	10/30/2001	***************************************
	B6	6,334,960	B1	Willson et al.	1/1/2002	
	B7	6,391,217	B2	Schaffer et al.	5/21/2002	
	B8	6,517,977	B2	Resnick et al.	2/11/2003	
	B9	6,696,220	B2	Bailey et al.	2/24/2004	
	B10	10/687,519		Nguyen et al.	10/16/2003	
	B11	2002/0177319	A1	Chou	11/28/2002	
	B12	2003/0205657	A1	Voisin	11/6/2003	
	B13	6,713,238	B1	Chou et al.	3/30/2004	
	B14	2004/0008334	A1	Sreenivasan et al.	1/15/2004	
	B15	2004/0009673	A1	Sreenivasan et al.	1/15/2004	***
	B16	2004/0124566	A1	Sreenivasan et al.	7/1/2004	
	B17	5,849,222		Jen et al.	12/15/1998	
A	B18	2003/0113638	A1	Mancini et al.	6/19/2003	

Examiner Signature Date Considered 6/11. / OA	5

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control of

Substitute for form 1449A/PTO				Complete if Known		
INE	ORMATIO	N DISCL	COUDE	APPLICATION NUMBER	10/781,278	
	ATEMENT			FILING DATE	02/18/2004	
317	71 FINE 141	DIAFFL	JOANI	FIRST NAMED INVENTOR	Sreenivasan et al.	
(u	se as many she	ets as necessa	ry)	Group Art Unit	1756	
Sheet 2 of		8	Examiner Name	Young, Christopher G.		
	L	<u> </u>		Attorney Docket Number	PA95-37D13	

	_			U.S. PATENT DOCUMEN	15	
Examiner Initials*	Cite No.1	U.S. Patent Do	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
	1	1		 	· · · · · · · · · · · · · · · · · · ·	
EC	B19	6,646,662	B1	Nebashi et al.	11/11/2003	
	B20	6,776,094	B1	Whitesides et al.	8/17/2004	
	B21	6,518,189	B1	Chou	2/11/2003	
	B22	2002/0132482	A1	Chou	9/19/2002	
	B23	2002/0167117	A1	Chou	11/14/2002	
	B24	6,482,742	B1	Chou	11/19/2002	
	B25	2003/0080471	A1	Chou	5/1/2003	
	826	2004/0036201	A1	Chou et al.	2/26/2004	
	B27	2004/0192041	A1	Jeong et al.	9/30/2004	
	B28	6,828,244	B2	Chou	12/7/2004	
	B29	6,809,356	B2	Chou	10/26/2004	
	B30	2004/0197843	A1	Chou et al.	10/7/2004	· · · · · · · · · · · · · · · · · · ·
	B31	2004/0156108	A1	Chou et al.	8/12/2004	·
	B32	2004/0137734	A1	Chou et al.	7/15/2004	
	B33	2004/0131718	A1	Chou et al.	7/8/2004	
	B34	2004/0118809	A1	Chou et al.	6/24/2004	
	B35	2004/0046288	A1	Chou	3/11/2004	·
V	B36	2003/0080472	A1	Chou	5/1/2003	
Evaminer	B30	2003/0080472	AI	Cnou	5/1/2003	

Examiner	6 /) 4	Date	
· Signature	I and a	Considered	6/4/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Complete if Known		
ME		u Dieci /	oeupe	APPLICATION NUMBER	10/781,278	
	DRMATION TEMENT			FILING DATE	02/18/2004	
SIA	TEMENT	DI APPL	LICANI	FIRST NAMED INVENTOR	Sreenivasan et al.	
(vs	e as many shee	ts as necessa	rry)	Group Art Unit	1756	
Sheet 3 of 8		<u></u>	Examiner Name	Young, Christopher G.		
		<u> </u>		Attorney Docket Number	PA95-37D13	

		I II C Detect C	U.S. PATENT DOCUMENTS U.S. Patent Document Document								
Examiner Initiats*	Cite No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·							
EC	B37	2003/0034329	A1	Chou	2/20/2003						
	838	2002/0042027	A1	Chou et al.	4/11/2002						
	B39	10/666,527		Bailey et al.	9/18/2003						
	B40	6,580,172	B2	Mancini et al.	6/17/2003						
	B41	4,722,878		Watakabe et al.	2/2/1988						
	B42	2002/0175298	A1	Moniwa et al.	11/28/2002						
	B43	10/670,980		Sreenivasan et al.	9/25/2003						
	B44	10/706,537		Sreenivasan et al.	11/12/2003						
	B45	10/833,240		Watts et al.	4/27/2004						
	B46	10/782,187		McMackin et al.	2/19/2004						
	B47	10/895,214		Voison	7/20/2004						
	B48	11/051,941		McMackin et al.	2/4/2005						
	B49	4,512,848		Deckman et al.	4/23/1985						
	B50	6,517,995	B1	Jacobenson et al.	2/11/2003						
	B51	2004/0110856	A1	Young et al.	6/10/2004						
	B52	6,716,754	B2	Hofmann et al.	4/6/2004						
	B53	2002/0135099	A1	Robinson et al.	9/26/2002						
4	B54	5,028,366		Harakal et al.	7/2/1991						

Examiner		Date	16.101	
Signature	and har	Considered	6/11/06	

(and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered: Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Substitute for form 1449A/PTO Complete if Known APPLICATION NUMBER 10/781,278 INFORMATION DISCLOSURE **FILING DATE** 02/18/2004 STATEMENT BY APPLICANT **FIRST NAMED** Sreenivasan et al. **INVENTOR Group Art Unit** 1756 (use as many sheets as necessary) **Examiner Name** Young, Christopher G. Sheet 4 of 8 Attorney Docket Number PA95-37D13

				U.S. PATENT DOCUMEN	TS	
Examiner nitials*	Cite No.	U.S. Patent (Document Kind Code ² (# known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EL	B55	5,601,641	•	Stephens	2/11/1997	-
J	B56	5,849,209		Kindt-Larsen et al.	12/15/1998	
	_					
	ļ					
	ļ <u></u> -		-			Mark the second
7.7.	├		+			
	-					
	-		- 			
	 					
	1			· · · · · · · · · · · · · · · · · · ·		
						·
				·		

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time your require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute fo	Substitute for form 1449A/PTO			Complete if Known			
INC	ORMATION	i Disci (SELIDE	APPLICATION NUMBER	10/781,278		
	ATEMENT I			FILING DATE	02/18/2004		
]	~! EINEI41 !	JIAIIE		FIRST NAMED INVENTOR	Sreenivasan et al.		
				Group Art Unit	1756		
(4	ise as many shee	ts as necessai	77)	Examiner Name	Young, Christopher G.		
Sheet	5	of	8	Attorney Docket Number	PA95-37D13		

			FOR	EIGN PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Office 3	Foreign Patent Document Kind Coo Number ⁴ (if know		Date of Publication of Cited Document MM-DD-YYYY	Pages, Coturns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	, 		· · · · · · · · · · · · · · · · · · ·			1	
EC	B57	wo	00/21689	Chou et al.	4/20/2000	_	
	B58	JP	02-92603	Kurikawa et al.	4/3/1990		
	B59	JP	02-24848	Kamio	1/26/1990		
	B60	wo	01/47003	Steiner et al.	6/28/2001		
	B61	wo	02/07199	Chou	1/24/2002	·	
	B62	wo	2004/114016	Chou et al.	12/29/2004	• "	
	B63	wo	99/05724	Chou et al.	2/4/1999		
	B64	wo	03/010289	Chou et al.	2/6/2003		
	B65	wo	03/079416	Chou	9/25/2003		
4	B66	wo	03/099536	Chou et al.	12/4/2003	·	
-							
	•		<u> </u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>

Examiner			Date	11/1/01
Signature	fund	Re	Considered	6/4/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional): ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place

a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO				Complete if Known		
INFO	RMATION	DISCLO	SURE	APPLICATION NUMBER	10/781,278	
STA	TEMENT B	Y APPL	ICANT	FILING DATE	02/18/2004	
_				FIRST NAMED INVENTOR	Sreenivasan et al.	
(USC	e as many sheets	as necessary	Y)	Group Art Unit	1756	
Sheet 6 of 8			8	Examiner Name	Young, Christopher G.	
	. I			Attorney Docket Number	PA95-37D13	

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T,
EC	B67	Chou, Nanoimprint Lithography and Lithographically Induced Self-Assembly, MRS Bulletin, pp. 512 - 517, 7/1/2001	
	B68	Choi et al., Design of Orientation Stages for Step and Flash Imprint Lithography, Precision Engineering, pp. 192 - 199, 1/1/2001	
	B69	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	B70	Chou et al., Imprint Lithography with 25-Nanometer Resolution, Science Vol. 272, pp. 85 - 87, 4/5/1996	_
	B71	Chou et al., Imprint Lithography with Sub-10 nm Feature Size and High Throughput, Microelectronic Engineering 35, pp. 237 - 240, 1/1/1997	_
	B72	Halsma et al., Mold-assisted Nanolithography: A Process for Reliable Pattern Replication, J. Vac. Sci. Technol. B, pp 4124 - 4128, 11/1/1996	
	B73	Chou et al., Imprint of Sub-25 nm Vias and Trenches in Polymers, Appl. Phys. Lett. 67 (21), 11/20/1995	
1	B74	Johnson et al., Advances in Step and Flash Imprint Lithography, SPIE Microlithography Conference, 2/23/2003	_
	B75	Chou et al., Lithographically Induced Self-assembly of Periodic Polymer Micropillar Arrays, J. Vac. Sci. Technol. B 17 (6), pp. 3197 - 3202, 11/1/1999	

·			•
Examiner Signature	Enl L	Date Considered	6/4/06

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DÖ NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number Substitute for form 1449A/PTO Complete if Known APPLICATION 10/781,278 INFORMATION DISCLOSURE NUMBER STATEMENT BY APPLICANT **FILING DATE** 02/18/2004 **FIRST NAMED** Sreenivasan et al. **INVENTOR** (use as many sheets as necessary) **Group Art Unit** 1756 **Examiner Name** Young, Christopher G. Sheet 7 of 8 **Attorney Docket Number** PA95-37D13

OTHER PRIO	R ART -	NON PATENT LITERATURE DOCUMENTS					
Examiner Cite No. 1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
EC	B76	Colburn et al., Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning, Proc. Of SPIE, vol. 3676, 3/1/1999					
	B77	Heidari, Nanoimprint Lithography at the 6 in. Wafer Scale, J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000					
	B78	Translation of Japanese Patent 02-92603					
	B79	Translation of Japanese Patent 02-24848					
	B80	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002					
	B81	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgoy B 14(16), pp. 4129-4133, 11/1/1996					
	B82	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001					
	B83	Resnick et al., High Resolution Templates for Step and Flash Imprint Lithography, Journal of Microlithography, Microfabrication, and Microsystems. Vol 1. No. 3., 10/1/2002					
	B84	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b.					

Examiner		Date	11:1.
Signature		Considered	6/4/06
	last I	Considered	0,000
•	Cit C	<u> </u>	

19(6), 11/1/2001

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALLE TOTAL

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute fo	r form 1449A/P	то		Comple	ete if Known
INFO	RMATION	DISCLO	SURE	APPLICATION NUMBER	10/781,278
STAT	TEMENT B	Y APPLI	CANT	FILING DATE	02/18/2004
_				FIRST NAMED INVENTOR	Sreenivasan et al.
(use	e as many sheets	as necessary)	Group Art Unit	1756
Sheet	8	of	8	Examiner Name	Young, Christopher G.
				Attorney Docket Number	PA95-37D13

OTHER PRIOR	R ART -	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
EC	B85	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
j	B86	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
4	B87	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

Em	Examiner Signature	Emla	Date Considered	6/11/06
----	-----------------------	------	--------------------	---------

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

	Substitute for form 1449A/PTO				Comple	ete if Known
		FORMATIO		T T	APPLICATION NUMBER	10/781,278
1	STATEMENT BY APPLICANT			CANI	FILING DATE	02/18/2004
	(use as many sheets as necessary)				FIRST NAMED INVENTOR	Sreenivasan et al.
<u> </u>			1 .		Group Art Unit	1756
	Sheet	1	of	3	Examiner Name	Christopher G. Young
		 			Attorney Docket Number	PA95-37D13

_				U.S. PATENT DOCUMEN	TS	
Examiner Inhibits*	Cile No.1	U.S. Patent Do	Kind Cade ^a (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DO-YYYY	Peges, Columns, Unes, Where Retevant Pessages or Relevant Figures Appear
	C C1	5,206,983		Guckel et al.	8/4/1993	
7	CZ	5,669,303		Maracas et al.	9/23/1997	
	СЗ	6.117.708		Wensel	9/12/2000	,
	C4	6,316,290		Wensel	11/13/2001	
	C5	6,190,929		Wang et al.	2/20/2001	
	C6	2005/0051698		Sreenivasan et al.	3/10/2005	
	C7	2005/0084344		Bailey et al.	3/24/2005	
	C8	2005/0067379		Sreenivasan et al.	3/31/2005	· · · · · · · · · · · · · · · · · · ·
	Сэ	2004/0250945		Zheng et al.	12/16/2004	
	C10	5,477,058		Sato	12/19/1995	
	C11	2005/0084804		Truskett et al.	4/21/2005	
	C12	2005/0037143		Chou et al.	2/17/2005	
	Ç13	2005/0098534		Sreenivasan et al.	5/12/2005	
	C14	6,900,881		Sreenivasan et al.	5/31/2005	
	C15	6,902,853		Sreenivasan et al.	6/7/2005	
	C16	6,890,688		Mancini et al.	5/10/2005	
	7 C17	6,908,861		Sreenivasan et al.	6/21/2005	

Signature Call Considered 6/11/06	Bominer Signature		6/11/06
-----------------------------------	----------------------	--	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance "Examiner: Initial if reference considered, whether or not cristion is in conformance with MPEP 609, Draw line through clatton or not in conformance and not considered. Include copy of this form with next communication to applicant; "Applicant's unique citation designation number (optional)." See kinds Codes of USPTO Patent Documents at www.usob.gov PMPEP 901.04. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). "For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CPR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file that the USPC of the present in a prefer the conference by 2 CPR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file

(and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CPR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and admitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chef Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PAGE 4/21 * RCVD AT 8/2/2005 10:41:34 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/24 * DNIS:2738300 * CSID:5124918918 * DURATION (mm-ss):06-36

PTO/SE/08A (08-03)
Approved for use through 7/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF CONNERCE

Substitute f	for form 1449	√ PTO		Compl	ete if Known
	NFORMATIC TATEMENT			APPLICATION NUMBER	10/781,278
. •	MILMLM	DIAGEL		PILING DATE	02/18/2004
a	ise as many she	ets as necessa	<i>ary)</i>	FIRST NAMED INVENTOR	Sreenivasan et al.
		T		Group Art Unit	1756
Sheet		of	3	Baminer Name	Christopher G. Young
•				Attorney Docket Number	DB95-37D13

U.S. PATENT DOCUMENTS							
Examiner Initials	Cité No.1	U.S. Patent Do	Rind Code ² (2 known)	Name of Patentee of Applicant of Citod Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Whore Relevent Pussages or Relevent Figures Appear	
E	C1B	6,916,584	T	Sreenivasan et al.	7/12/2005		
1	C19	6,921,615	 	Sreenivasan et al.	7/26/2005		
	C20	6,916,585	 	Sreenivasan et al.	7/12/2005	· · · · · · · · · · · · · · · · · · ·	
-	C21	6,919,152		Sreenivasan et al.	7/19/2005		
- 1½. -			1				
				·			
					·		
•							
	_		<u> </u>				
			-				
			 				
					1		

Examiner Signature		Date Considered	6/11/06
Signature	Continue	Considered	6/11/00

"Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. "Applicant's unique citation designation number (optional)." See kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (WIPO Sandard ST.3). "For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document." Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours by complete, including a statement of supporting and the complete confidence in the complete confidence in the complete confidence and the complete confidence and the complete confidence in the complete confidence and the complete application form to the USPTO. The will want denerating on the

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete dapplication form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PAGE 5/21 * RCVD AT 8/2/2005 10:41:34 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/24 * DNIS:2738300 * CSID:5124918918 * DURATION (mm-ss):06-36

Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF CONNERCE

Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NUMBER	10/781,278	
•	STATEMENT BY APPLICANT			FILING DATE	02/18/2004	
(use as many sheets as necessary)			y)	PIRST NAMED INVENTOR	Sreenivasan et al.	
				Group Art Unit	1756	
Sheet	3	of	3	Examiner Name	Christopher G. Young	
				Attorney Docket Number	PA95-37D13	

		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	$\overline{}$
Examiner Initials*	Cite No.	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	T	SHIBUICHI ET AL., Super Water- and Oil-Repellent Surfaces Resulting from Fractal Structure.	_
ÉL	C22	Journal of Colloid and Interface Science, Vol. 208, no. 1, pp. 287-294 12/1/1998	
	C23	APPLICATION NO. 10/917,781, naming Inventors McMackin et al., entitled A Moat System for an Imprint Lithography Template, filed 8/13/2004	
•	C24	TANIGUCHI ET AL., Diamond Nanoimprint Lithography, Nanotechnology, 2002, vol. 13, no. 5, pp. 592-596(5) 1/1/2002	
	C25	KIYOHARA ET AL., Abstract of Plasma Etching of CVD Diamond Films using an ECR-type Oxygen Source, http://www.iop.org/EJ/abstract/0957-4484/10/4/304 9/26/2003	ľ
	C25	APPLICATION NO. 11/126,948, naming Inventors Choi et al., entitled Formation of Discontinuous Films During an Imprint Lithography Process, filed 5/11/2005	T
1	C27	APPLICATION NO. 11/127,041, naming Inventors Sreenivasan et al., entitled Step and Repeat Imprint Lithography Processes, filed 5/11/2005	İ
	C58	APPLICATION NO. 11/127,060, naming inventors Screenivasan et al., entitled Step and Repeat Imprint Lithography Systems, filed 5/11/2005	<u></u>
1	C29	APPLICATION NO. 11/136,897, naming inventors Miller et al., entitled imprint Lithography Template Having a Coating to Reflect and/or Absorb Actinic Energy, filed 5/25/2005	T

Examiner Signature Date Considered 6/11/06	,
--	---

*Examiner: Initial if reference considered, whether or not diation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 tend by the complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form end/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450... DO NOT SEND FEES OR COMPLETED FORMS TO THUS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, Call 1-800-9TO-9199 (1-800-786-9199) and select option 2.

PAGE 6/21 * RCVD AT 8/2/2005 10:41:34 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/24 * DNIS: 2738300 * CSID:5124918918 * DURATION (mm-ss):08-36

2PTO/SE/GBA (GB-GS)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute (Substitute for form 1449A/PTO			Complete if Known		
	IFORMATIO			APPLICATION NUMBER	10/781,278	
STATEMENT BY APPLICANT		FILING DATE	02/18/2004			
(L	(use as many sheets as necessary)		FIRST NAMED INVENTOR	Sreenivasan et al.		
	·			Group Art Unit	1756	
Sheet	1	of]2	Examiner Name	Young, Christopher G.	
				Attorney Docket Number	PA95-37D13	

				U.S. PATENT DOCUMEN	TS	
Examiner Initids*	Cite No.1	U.S. Patent Do Number	Kind Code ² (3 known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columna, Lines, Where Relavand Passages or Relevant Figures Appear
E C	D1	6,355,198	B1	Kim et al.	3/12/2002	
	D2	6,387,787	B1	Mancini et al.	5/14/2002	
	D3	2003/0062334	A1	Lee et al.	4/3/2003	
₹	D4	6,932,934	B2	Choi et al.	8/23/2005	
						•
						· · · · · · · · · · · · · · · · · · ·
	1					

			~	
I	Examiner Signature	Enle	Date Considered	6/11/06.

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMPIERCE

Substitute for form 1449A/PTO				Comple	te if Known
****	FORMATION		-	APPLICATION NUMBER	10/781,278
STATEMENT BY APPLICANT (use as many sheets as necessary)				FILING DATE	02/18/2004
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1756
Sheet	2	of	2	Examiner Name	Young, Christopher G.
				Attorney Docket Number	PA95-37D13

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T³
a	D 5	THOMPSON ET AL., Fabrication of Step and Flash Imprint Lithography Templates Using Commercial Mask Processes, SPIE Microlithography Conference 2/1/2003	
		• •	

	Examiner Signature	Enl	Date Considered	6/11/06
--	-----------------------	-----	--------------------	---------

*Baminer: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

"Boardner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant; unique citation designation number (optional). *Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CPR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CPR 1.14. This collection is estimated to take 2 hours to complete, including pathering, preparing, and submitting the completed application form to the USPTO. Turns will vary depending on the individual case. Any comments on the amount of time you require to complete this form anxion's suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450... DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450...

If you need assistance in completing the form, call 1-800-770-9199 (1-800-786-9199) and select option 2.

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PA95-37D13

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Substitute for form 1449A/PTO Complete if Known APPLICATION 10/781,278 INFORMATION DISCLOSURE NUMBER STATEMENT BY APPLICANT FILING DATE 02/18/2004 FIRST NAMED Sreenivasan et al. (use as many sheets as necessary) INVENTOR Group Art Unit 1756 Sheet 1 of **Examiner Name** Young, Christopher

Attorney Docket Number

				U.S. PATENT DOCUMEN	TS	
Examiner Initiats*	Cite No.1	U.S. Patent D Number	ocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-OD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ξĹ	E1	4,959,252		Bonnebat et al.	9/25/1990	
1	E2	5,259,926		Kuwabara et al.	9/9/1993	
	E3	5,348,616		Hartman et al.	9/20/1994	
	E4	5,512,131		Kumar et al.	4/30/1996	, , , , , , , , , , , , , , , , , , , ,
	E5	5,545,367		Bae et al.	8/13/1996	
	E6	5,776,748		Singhvi et al.	7/7/1998	
	E7	5,948,470		Harrison et al.	9/7/1999	
	E8	5,952,127		Yamanaka	9/14/1999	
	E9	6,051,345		Huang	4/18/2000	
	E10	6,218,316	B1	Marsh	4/17/2001	
	E11	4,201,800		Alcorn et al.	5/6/1980	
	E12	2004/0150129		Hougham et al.	8/5/2004	
	E13	2004/0202865		Homola et al.	10/14/2004	
	E14	5,937,758		Maracas et al.	8/17/1999	
	E15	6,753,131	B1	Rogers et al.	6/22/2004	
	E16	5,956,216		Chou	9/21/1999	
4	E17	5,820,769		Chou	10/13/1998	

				
Examiner Signature	In	l 2	Date Considered	6/11/05

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number

Substitute f	or form 1449/	VPTO		Comple	Complete if Known		
	IFORMATIO			APPLICATION NUMBER	10/781,278		
•	IAILIILIII	DIAFFER		FILING DATE	02/18/2004		
(u	se as many shed	ets as necessa	ry)	FIRST NAMED INVENTOR	Sreenivasan et al.		
Chash.		-e	16	Group Art Unit	1756		
Sheet 2 of 6				Examiner Name	Young, Christopher		
		•		Attorney Docket Number	PA95-37D13		

				U.S. PATENT DOCUMEN	TS	
Examiner nitiats*	Cite No.1	U.S. Patent Di Number	Kind Code ² (# known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EL	E18	2005/0100830	A1	Xu et al.	5/12/2005	
1	E19	5,853,446		Carre et al.	12/29/1998	
	E20	6,251,207	B1	Schultz et al.	6/26/2001	· · · · · · · · · · · · · · · · · · ·
4	E21	6,849,558	B2	Schaper	2/1/2005	
		· · · · · · · · · · · · · · · · · · ·				
		·				
		· · · · · · · · · · · · · · · · · · ·				·
		 .				
						4-7-4-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
				 		
			+			
						•
		 	1			

	Date Considered	6/11/05
--	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Substitute for form 1449A/PTO Complete if Known APPLICATION NUMBER 10/781,278 INFORMATION DISCLOSURE STATEMENT BY APPLICANT FILING DATE 02/18/2004 FIRST NAMED Sreenivasan et al. INVENTOR (use as many sheets as necessary) Group Art Unit 1756 Young, Christopher Examiner Name 3 Sheet of Attorney Docket Number PA95-37D13

			Foreign Patent Docum		PATENT DOCUMENTS		Pages, Columns, Lines,	
Examiner Initials*	Cite No.1	Office 3	Number ⁴	Kind Code ⁵ (if knBown)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Τ ⁶
EU	E22	wo	87/02935		Long et al.	5/21/1987	· · · · · · · · · · · · · · · · · · ·	
1	E23	JP	1-196749		Matsumoto et al.	8/8/1989		
	E24	JP	02192045		Mineo et al.	7/27/1990		
	E25	wo	01/90816		Heidari	11/29/2001		
	E26	wo	02/22916		Pettersson et al.	3/21/2002		
	E27	EP	1460738	A2	Gimkiewicz et al.	9/22/2004		
	E28	JР	61-40845		Matsuo et al.	2/27/1986		
	E29	JP	2-248480		Yoneda et al.	10/4/1990		
	E30	JP	3-90345		Nobuyoshi et al.	4/16/1991		
4	E31	JP	9-278490		Toru et al.	10/28/1997		
								-
Examine Signatur			61	01		Date Considered	alulas	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for	form 1449A/	PTO		Complete if Known		
	ORMATION			APPLICATION NUMBER	10/781,278	
0.7	-11 PIN PIN P	/ A FEIO	·/	FILING DATE	02/18/2004	
(use	as many sheeb	s as necessar	y)	FIRST NAMED INVENTOR	Sreenivasan et al.	
				Group Art Unit	1756	
Sheet	4	of	6	Examiner Name	Young, Christopher	
				Attorney Docket Number	PA95-37D13	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
Ec	E32	FEYNMAN, There's Plenty of Room at the Bottom, 12/1/1959				

Ec	E32	FEYNMAN, There's Plenty of Room at the Bottom, 12/1/1959
	E33	XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., pp. 550 - 575 1/1/1998
	E34	KRUG ET AL., Fine Patterning of Thin Sol-gel Films, Journal of Non-Crystalline Solids 147 & 148, pp. 447 - 450 1/1/1992
	E35	NGUYEN, Asymmetric Fluid-Structure Dynamics in Nanoscale Imprint Lithography, The University of Texas at Austin, pp. 1 - 111 8/1/2001
	E36	Abstract of Japanese Patent 02-92603, 8/12/2004
	E37	Abstract of Japanese Patent 02-24848, 1/26/1990
	E38	SOWAH, Diamond used to Break the Mould, Retrieved 9/2/2003 from URL: http://www.electronictimes.com/story/OEG20020918S0003 9/18/2002
	E39	APPLICATION NO. 10/827,118, naming Inventors Watts et al., entitled A Method of Forming a Deep-Featured Template Employed in Imprint Lithography, filed 4/19/2004
Ą	E40	Abstract of Japanese Patent 61-040845, 2/27/1986

Examiner Signature	Date Considered	6/11/05
--------------------	--------------------	---------

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer 11.5. Patent and Trademark Office 10.0 Rev 1450. Alexandria VA 22313-1450. DO NOT SEND FEES OR COMPLETED. the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE collection of information unless it displays a valid OMB control number Under the Paperwork Reduction Act of 1995, no persons are required to respond to a

Substitute for form 1449A/PTO				Complete if Known		
	ORMATION			APPLICATION NUMBER	10/781,278	
017	ALPHIPIAL P	TATE O		FILING DATE	02/18/2004	
(use	as many sheets	s as necessar)	<i>y</i>)	FIRST NAMED INVENTOR	Sreenivasan et al	
				Group Art Unit	1756	
Sheet	5	of	6	Examiner Name	Young, Christopher	
				Attorney Docket Number	PA95-37D13	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²			
		Abstract of Japanese Patent 02-248480, 10/4/1990	$\overline{\top}$			

ec	E41	Abstract of Japanese Patent 02-248480, 10/4/1990
j	E42	Abstract of Japanese Patent 3-090345, 4/16/1991
	E43	Abstract of Japanese Patent 09-278490, 10/28/1997
	E44	Abstract of Japanese Patent 61-040845, 2/27/1986
	E45	Abstract of Japanese Patent 02-248480, 10/4/1990
	E46	GEHOSKI ET AL., Indium Tin Oxide Template Development for Step and Flash Imprint Lithgraphy, SPIE Microlithography Conference 2/1/2005
	E47	DAUKSHER ET AL., Repair of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 22(6), pp. 3306-3311 11/1/2004
	E48	NORDQUIST ET AL., Image Placement Issues for ITO-based Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B, pp. 695-701 3/1/2004
b	E49	DAUKSHER ET AL., Step and Flash Imprint Lithography Template Characterization, from an Etch Perspective, J. Vac. Sci. Technol. B 21(6), pp. 2771-2776 11/1/2003

Examiner Signature	Date Considered	/11/08
-----------------------	--------------------	--------

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450... DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO				Comple	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NUMBER	10/781,278	
STATEMENT BY APPLICANT			wii	FILING DATE	02/18/2004	
(use as many sheets as necessary)				FIRST NAMED INVENTOR	Sreenivasan et al.	
				Group Art Unit	1756	
Sheet	6	of	6	Examiner Name	Young, Christopher	
		-		Attorney Docket Number	PA95-37D13	

OTHER PR	IOR ART	- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials* Cite		ner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the				
EC	E50	RESNICK ET AL., Imprint Lithography: Lab Curiosity or the Real NGL?, SPIE Microlithography Conference 2/1/2003				
	E51	MANCINI ET AL., Analysis of Critical Dimension Uniformity for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2003				
	E52	MANCINI ET AL., Hydrogen Silsesquioxane for Direct Electron-Beam Patterning of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2896-2901 11/1/2002	-			
	E53	DAUKSHER ET AL., Characterization of and Imprint Results Using Indium Tin Oxide-Based Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2857-2861 11/1/2002				
	E54	NORDQUIST ET AL.Q, Critical Dimension and Image Placement Issues for Step and Flash Imprint Lithography Templates, 22nd Annual BACUS Symposium on Photomask Technology, Monterey, CA 9/1/2002				
	E55	BAILEY ET AL., Template Fabrication Schemes for Step and Flash Imprint Lithography, Microelectronic Engineering, 61-62, pp. 461-467 1/1/2002				
	E56	RESNICK ET AL., High Resolution Templates for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2002				
V	E57	RESNICK ET AL., New Methods for Fabricating Step and Flash Imprint Lithography Templates, NIST-SPIE Conference on Nanotechnology 9/1/2001				
	+		—			

Examiner	Date	
		· /
Signature	Considered	
_		6/11/05
	- Maria Company	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.